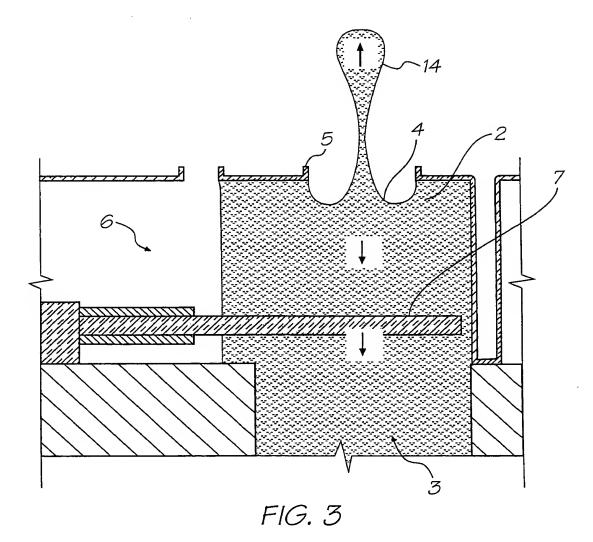
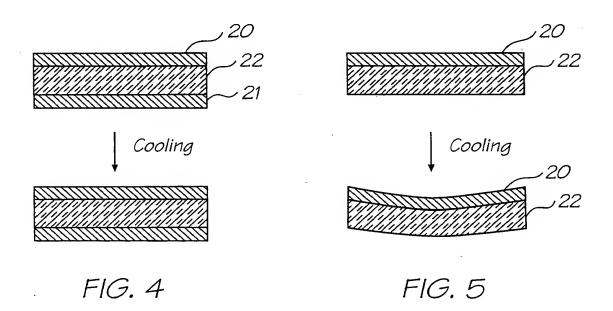
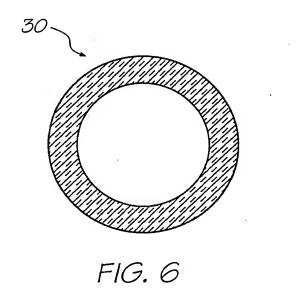
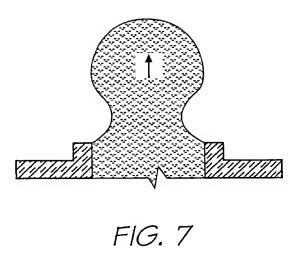


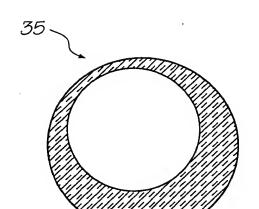
FIG. 2











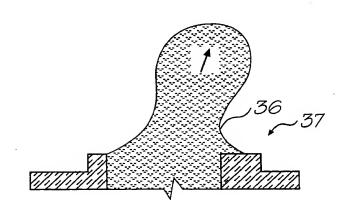
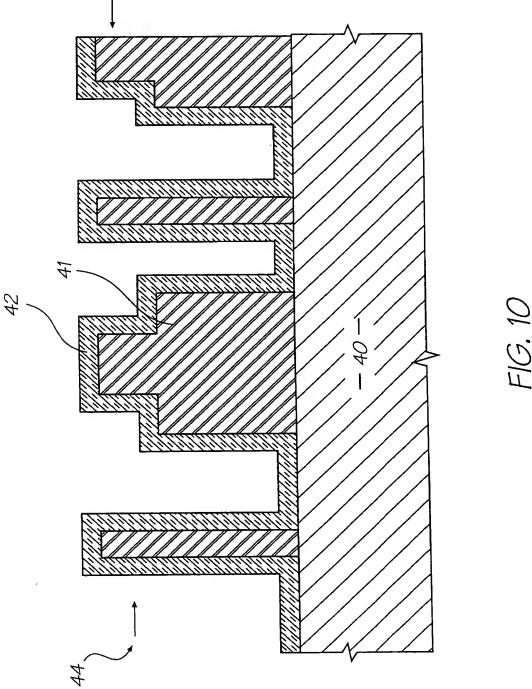


FIG. 8

FIG. 9



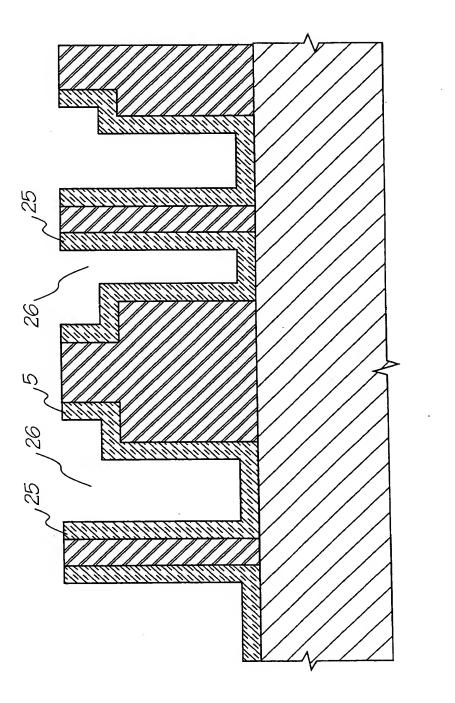


FIG. 11

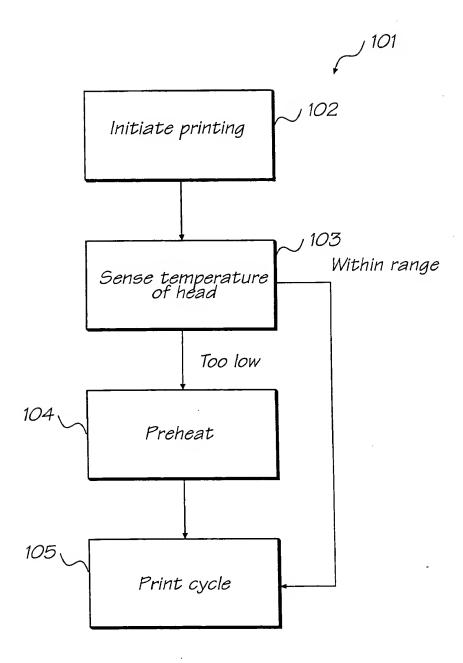
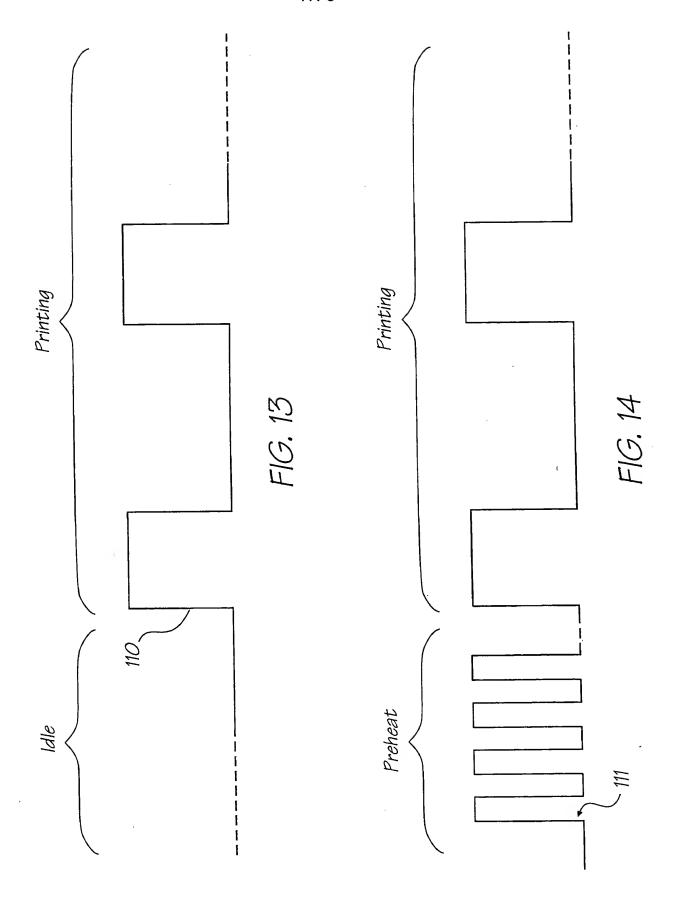
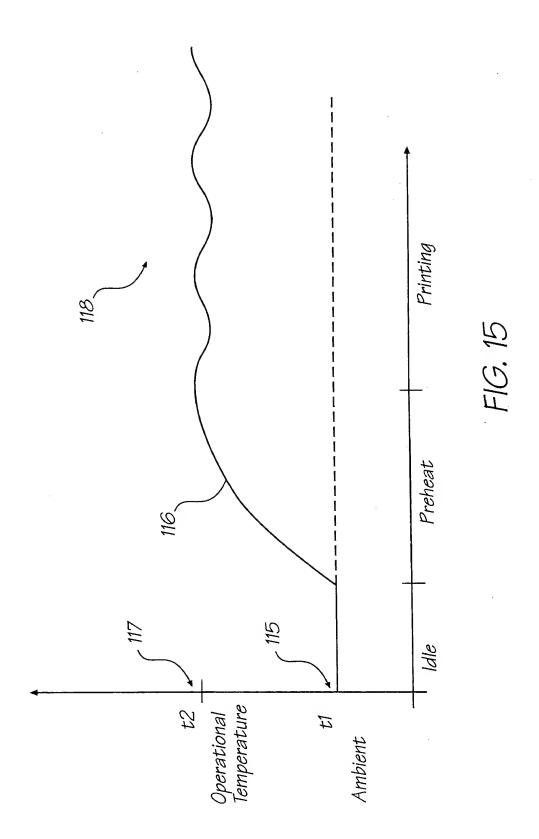
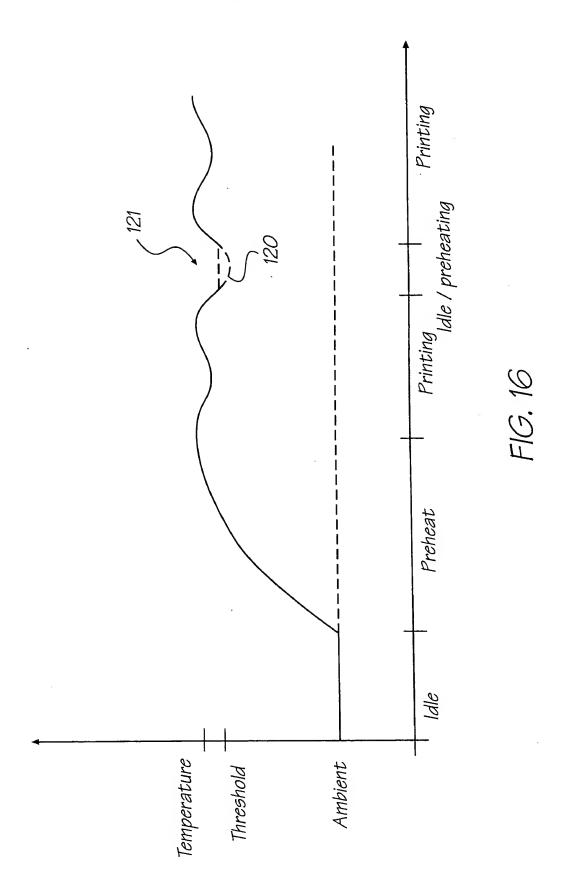


FIG. 12







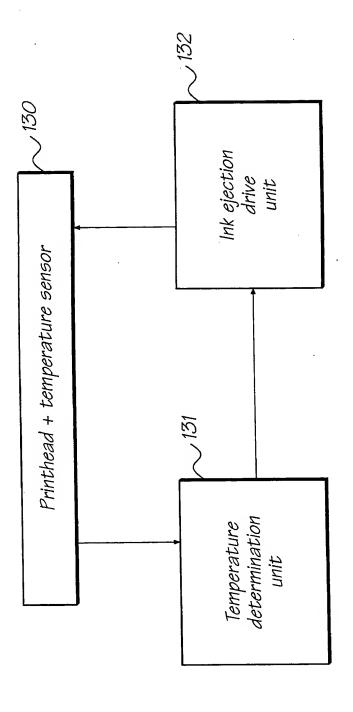
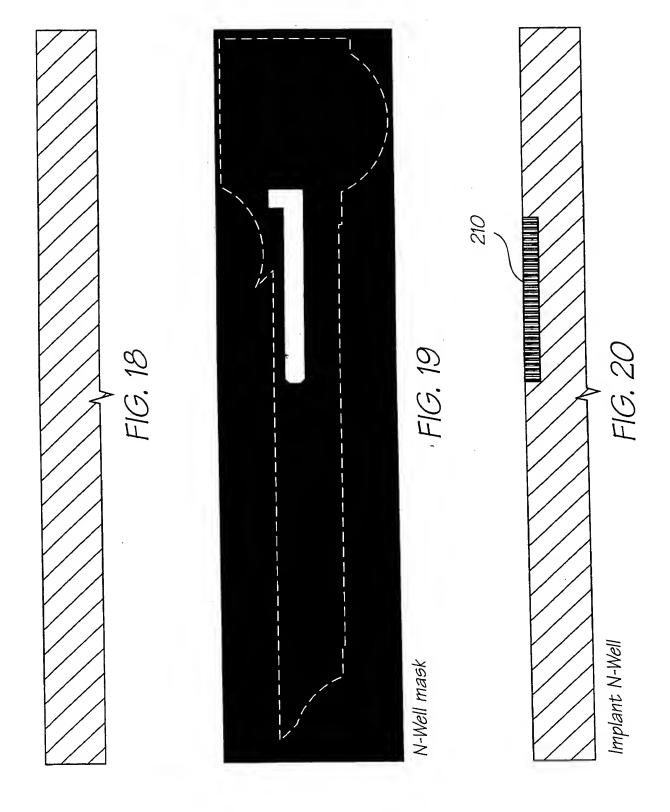


FIG. 17



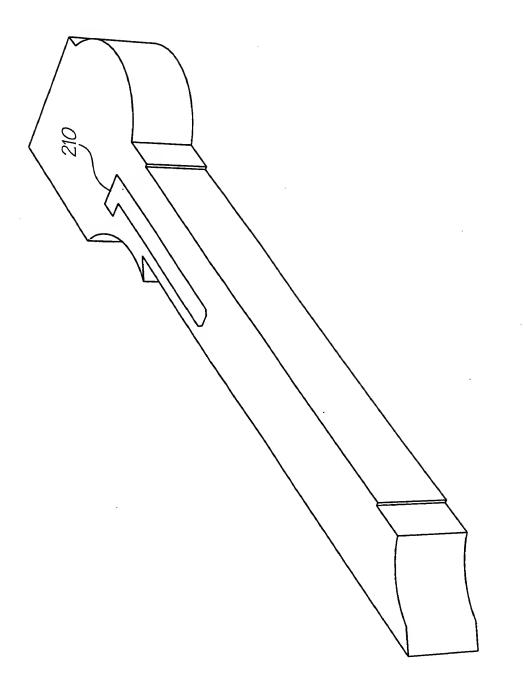
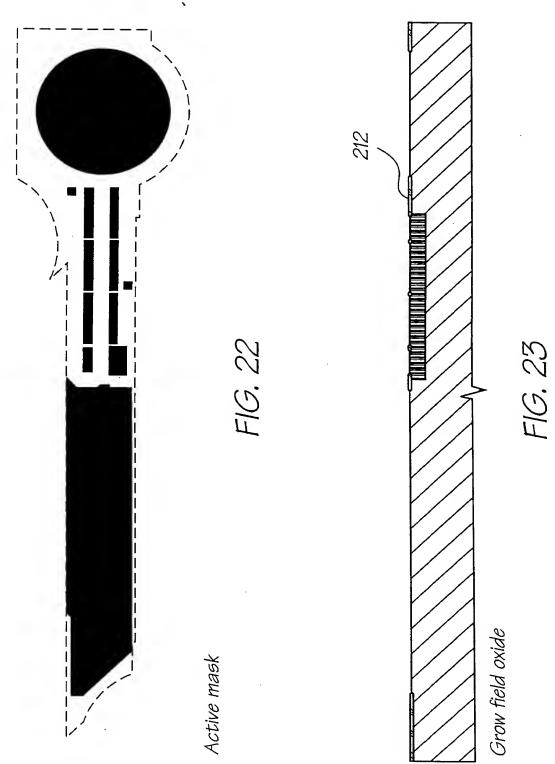


FIG. 21



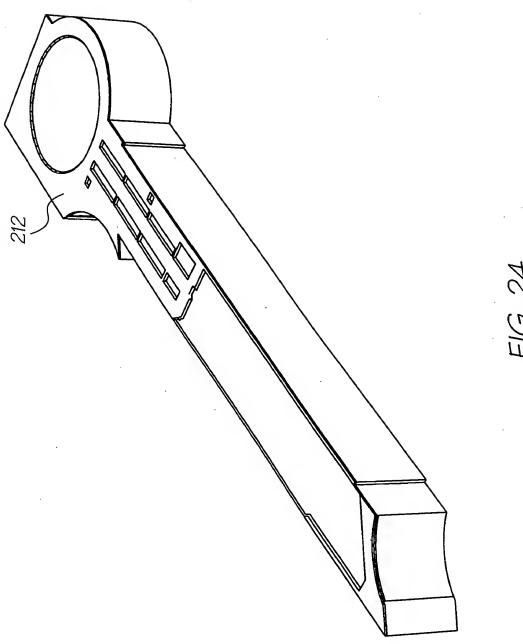
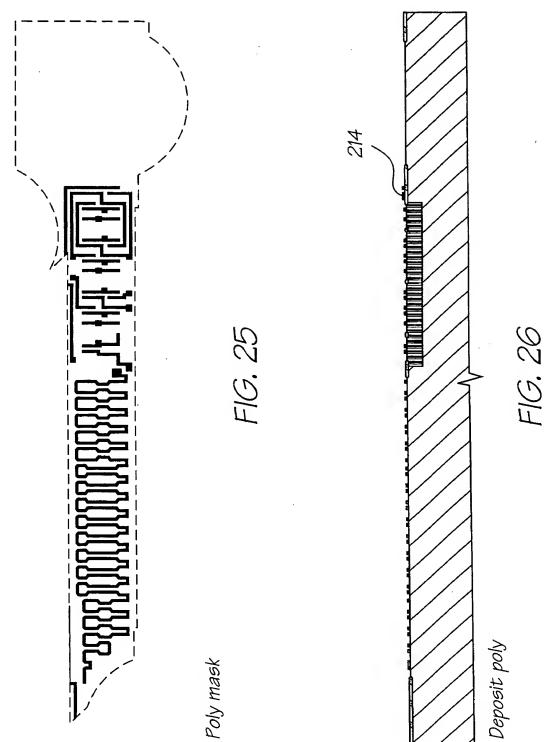


FIG. 24



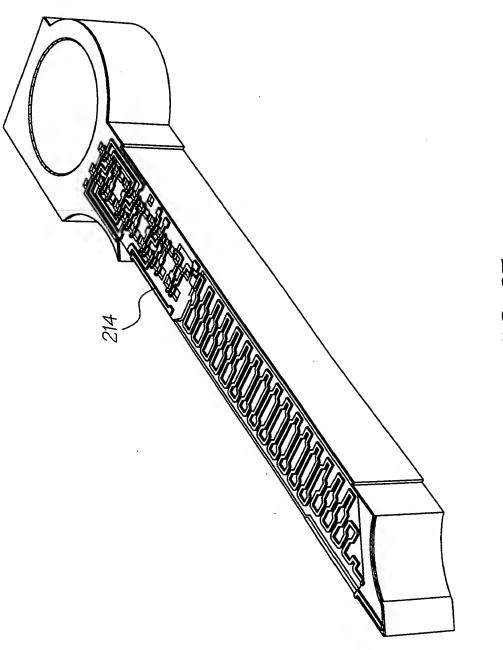
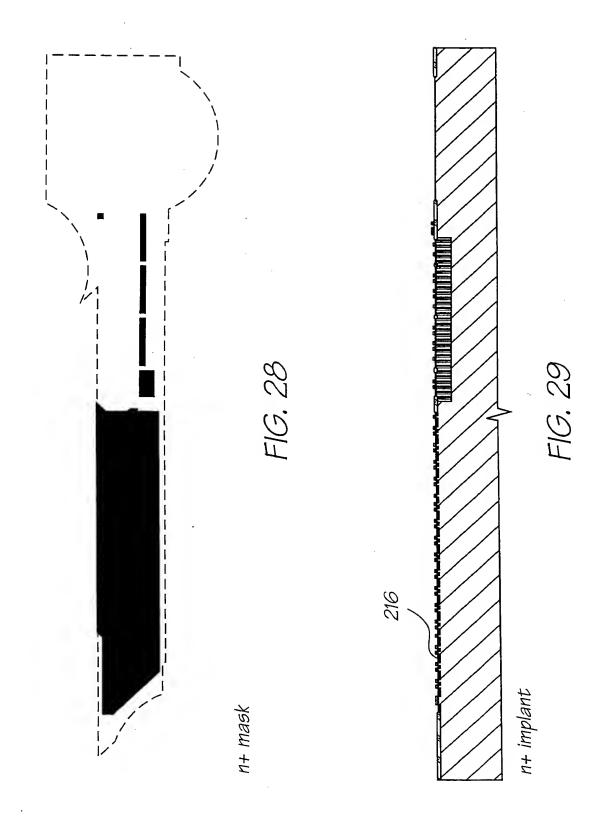


FIG. 27



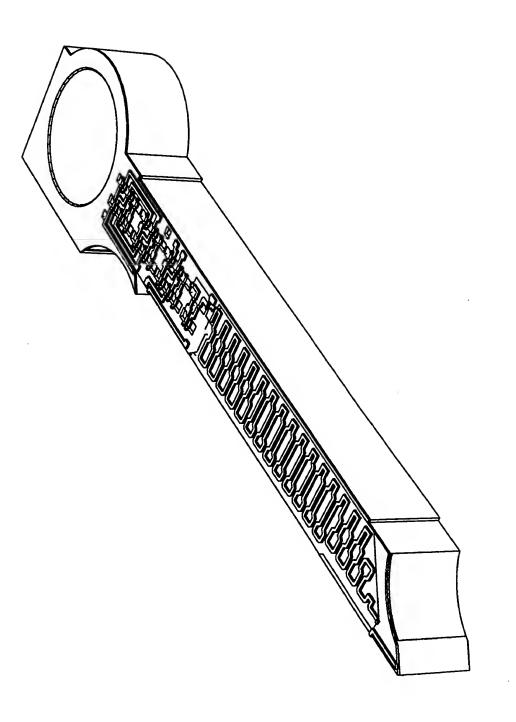
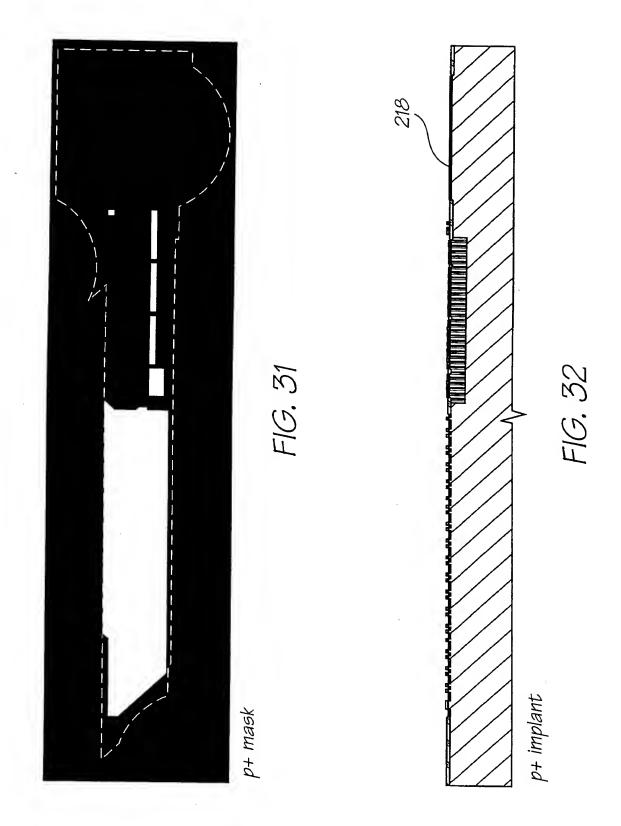


FIG. 30



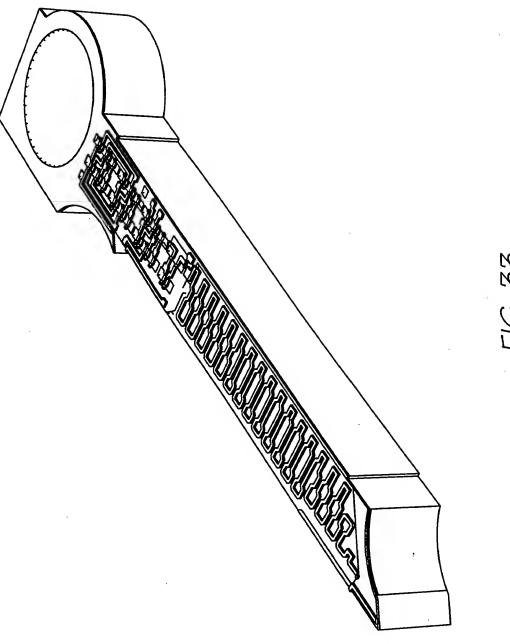
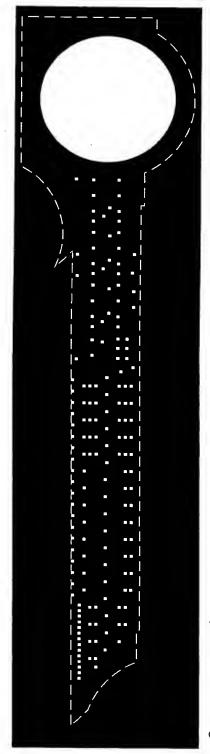
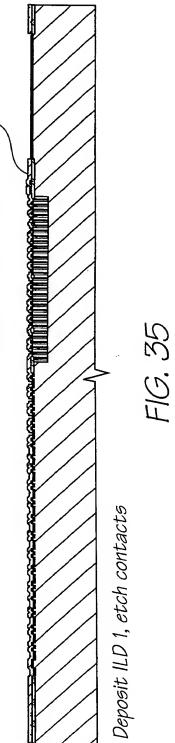


FIG. 55



Contacts mask

FIG. 34



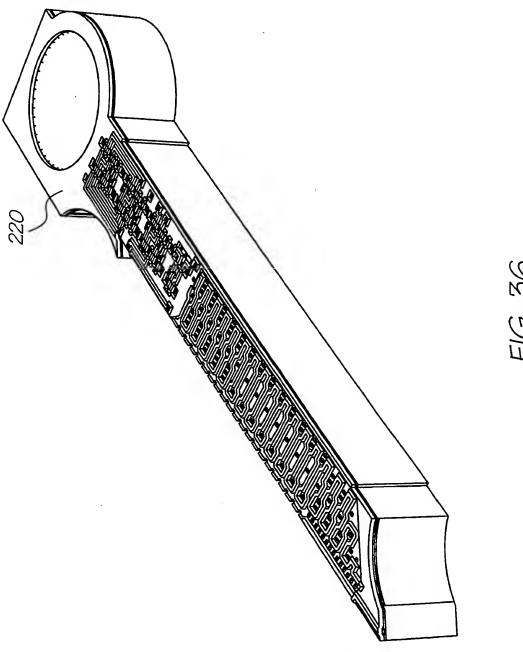


FIG. 36

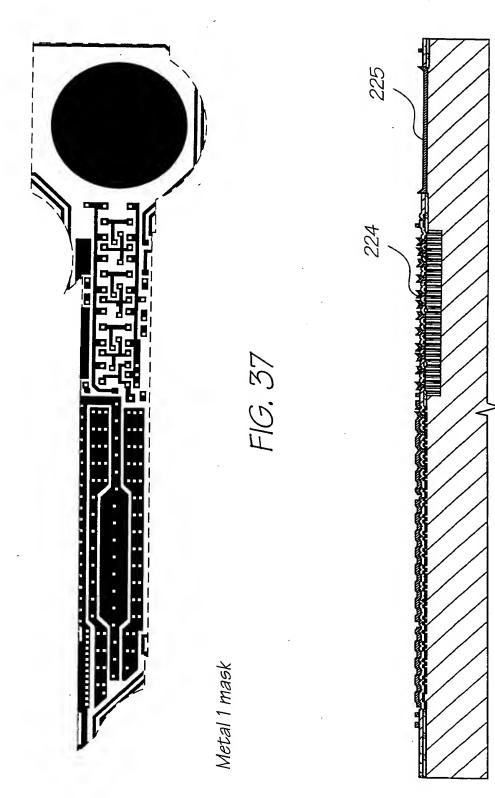
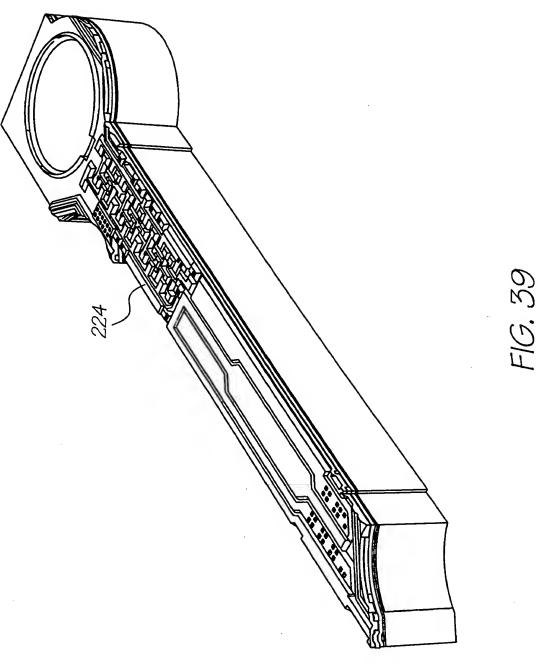
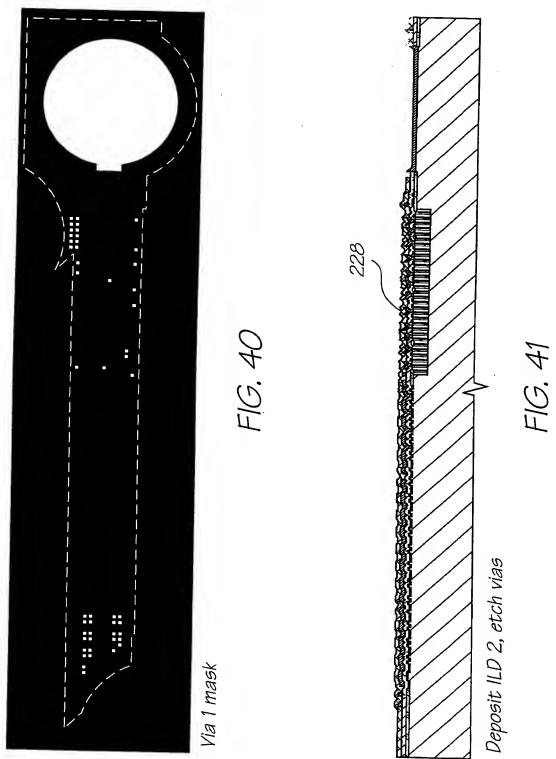
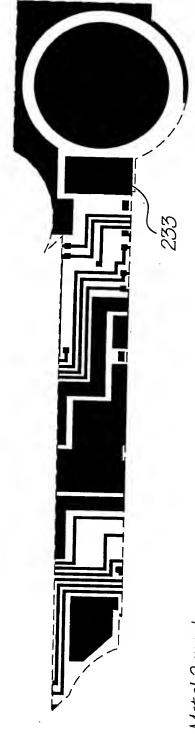


FIG. 38

Deposit Metal 1







Metal 2 mask

FIG. 42

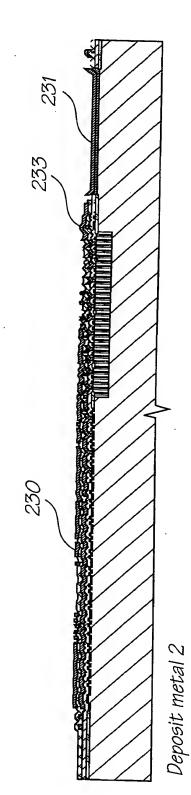


FIG. 43

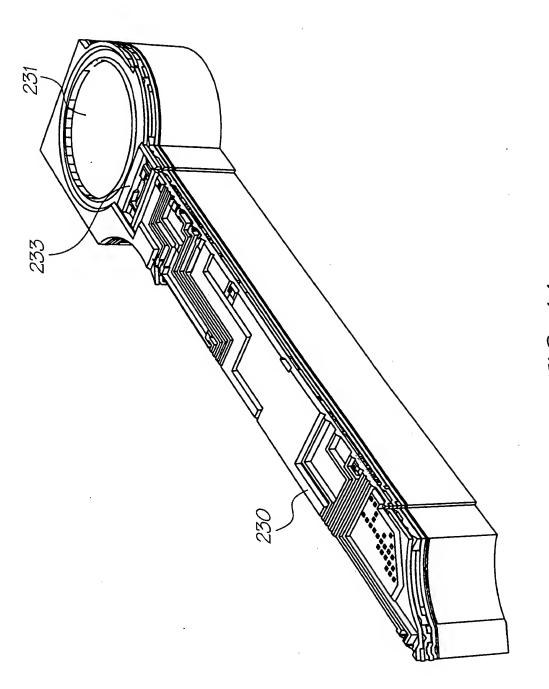
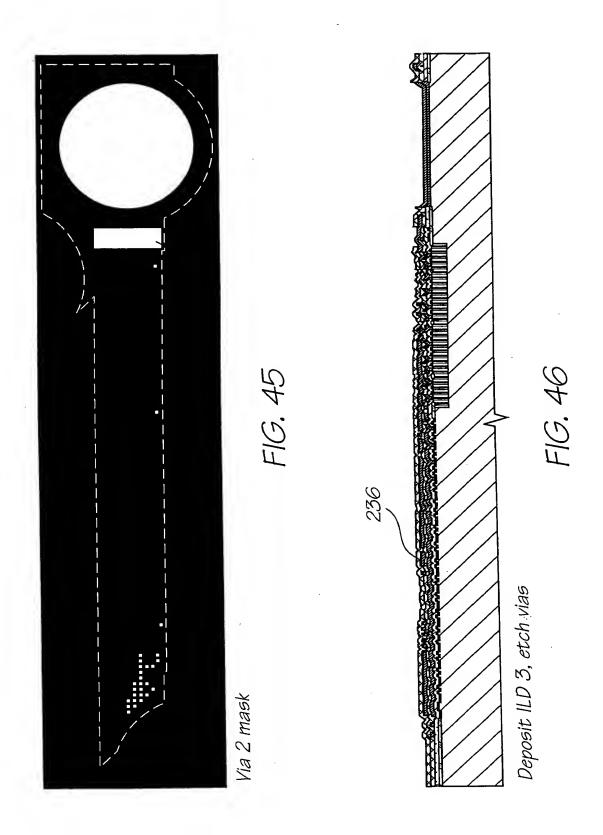
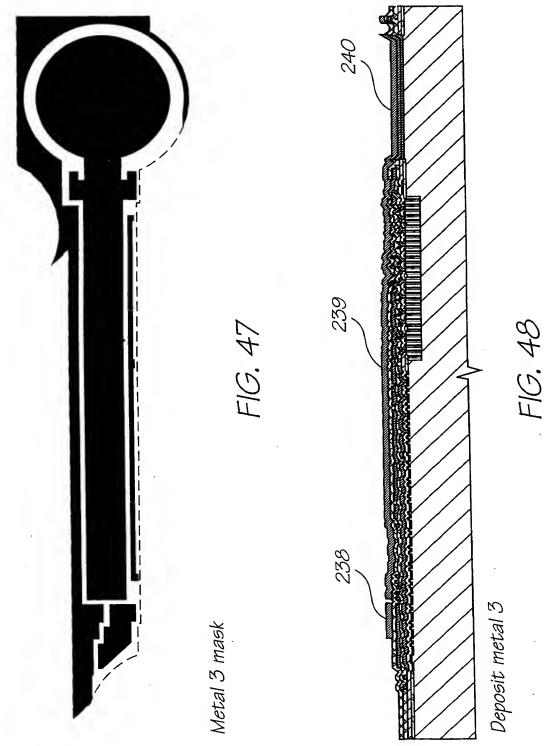
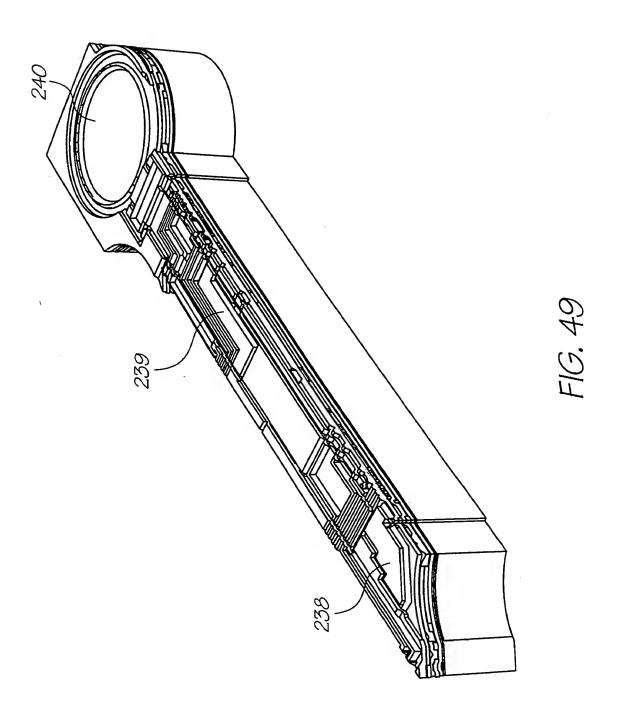
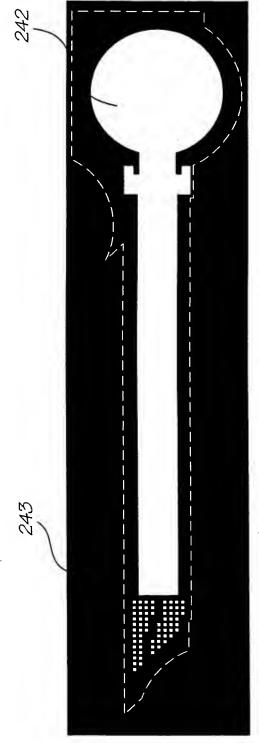


FIG. 44



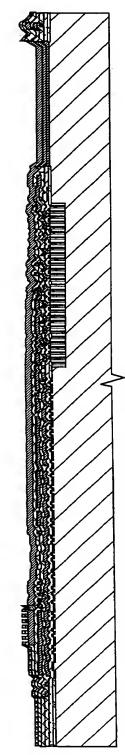






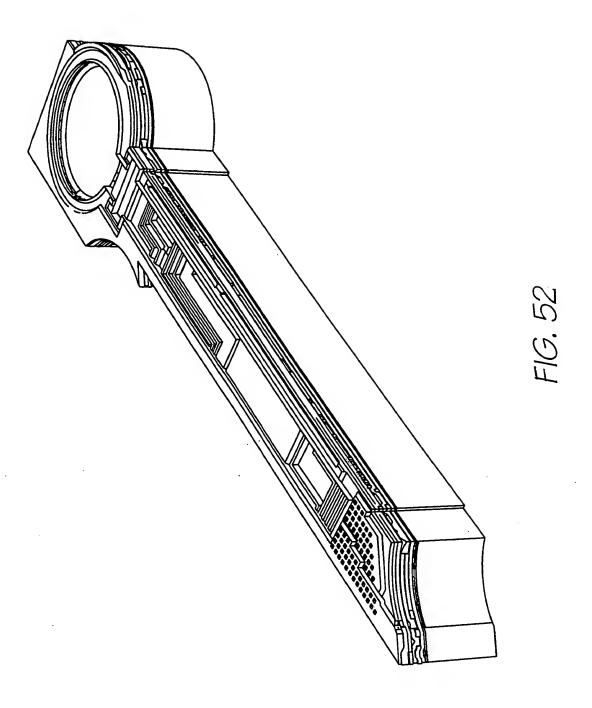
Via 3 / Passivation mask

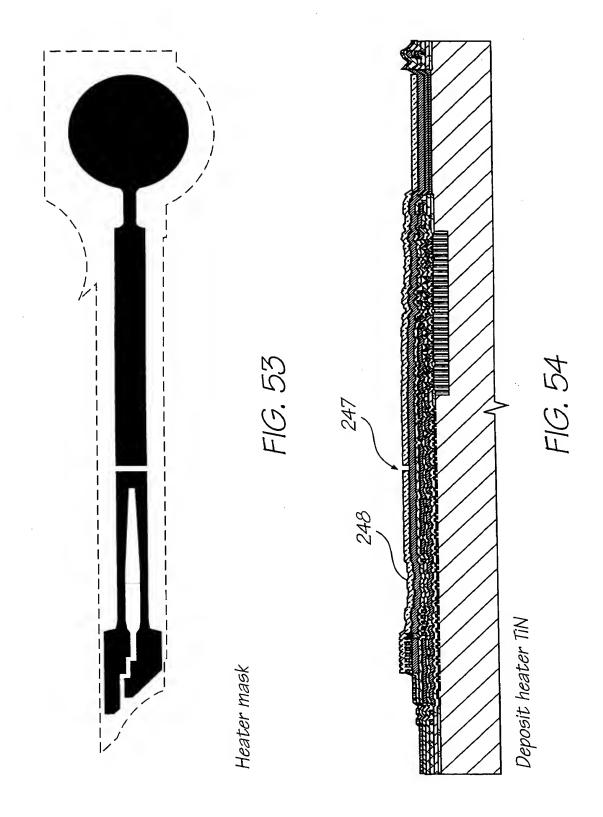
FIG. 50

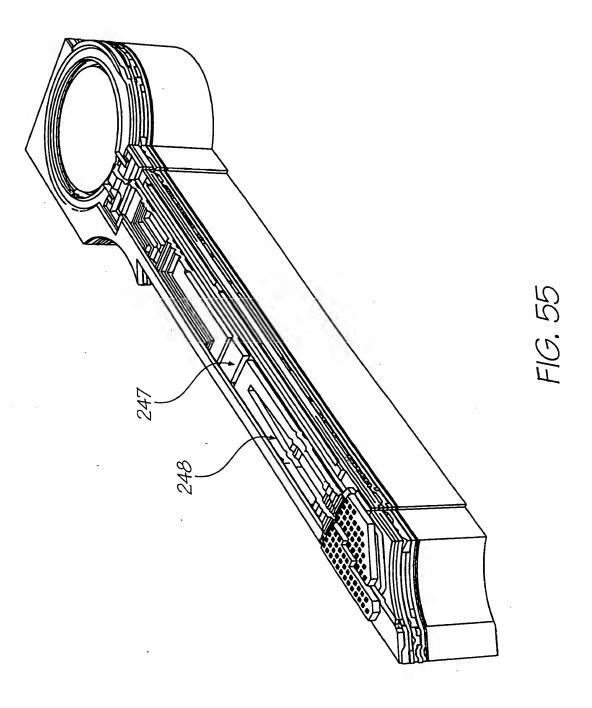


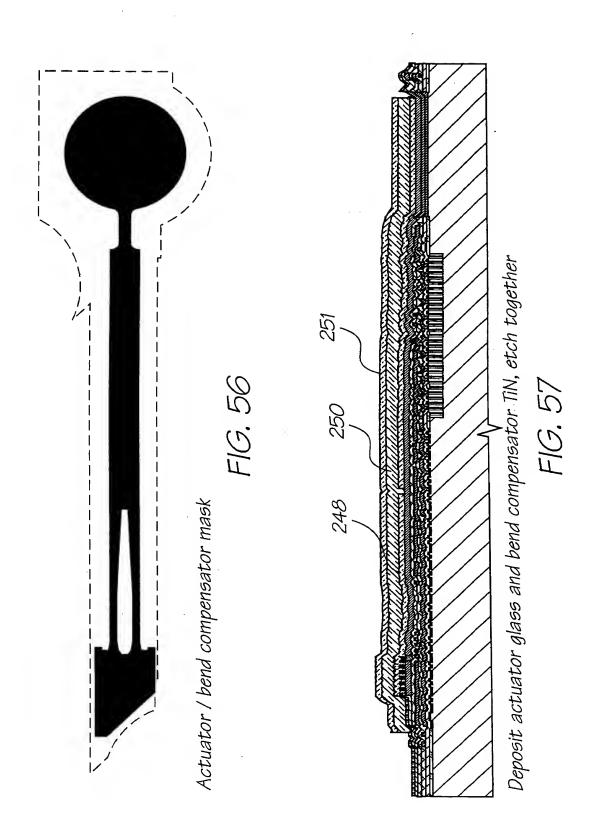
Deposit passivation oxide & nitride, etch vias

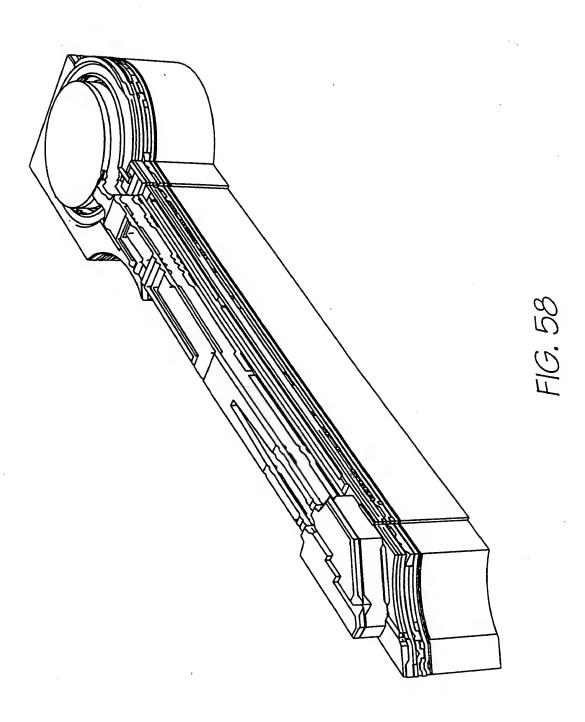
FIG. 51

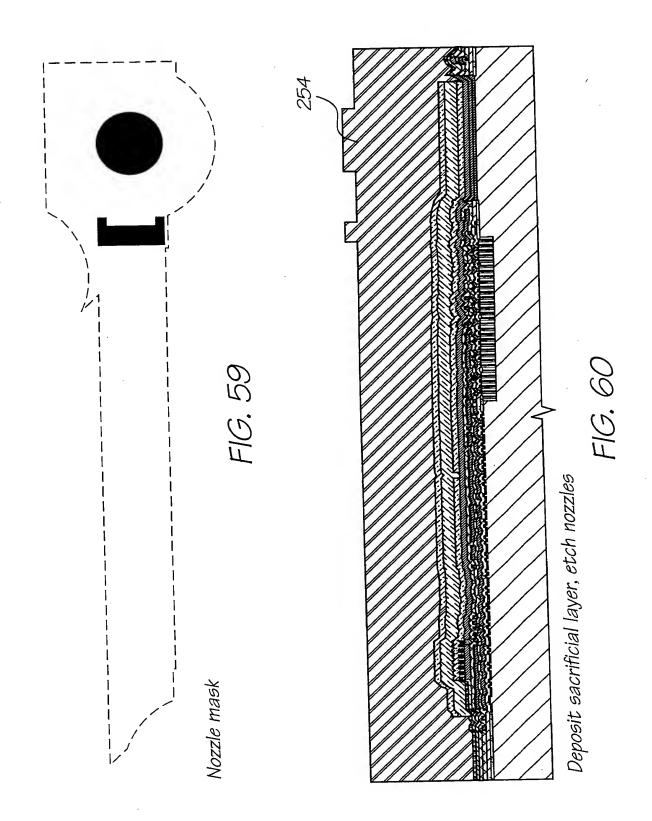


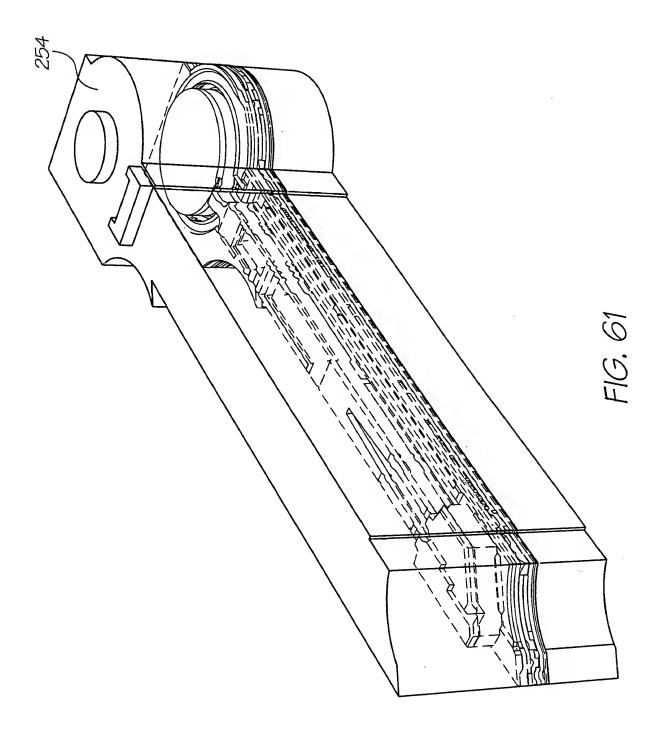


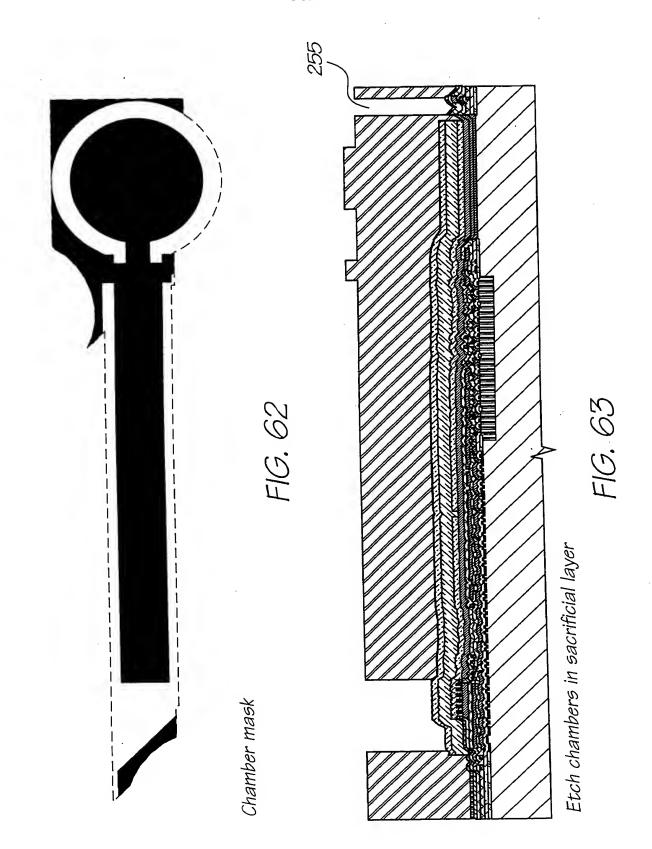


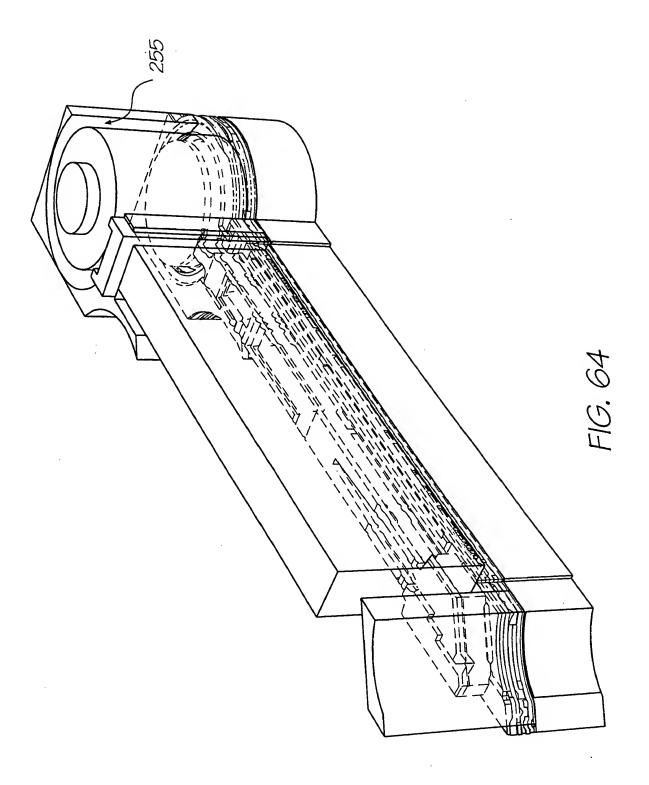


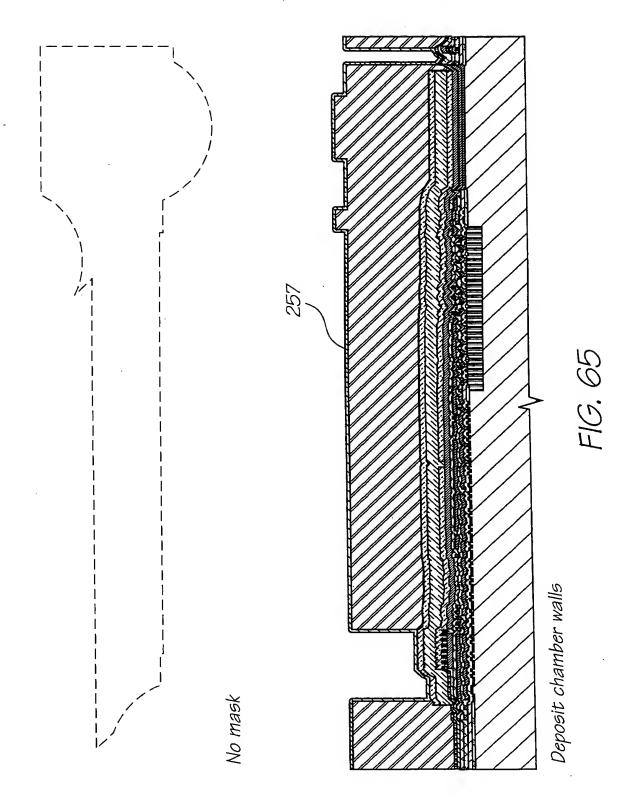


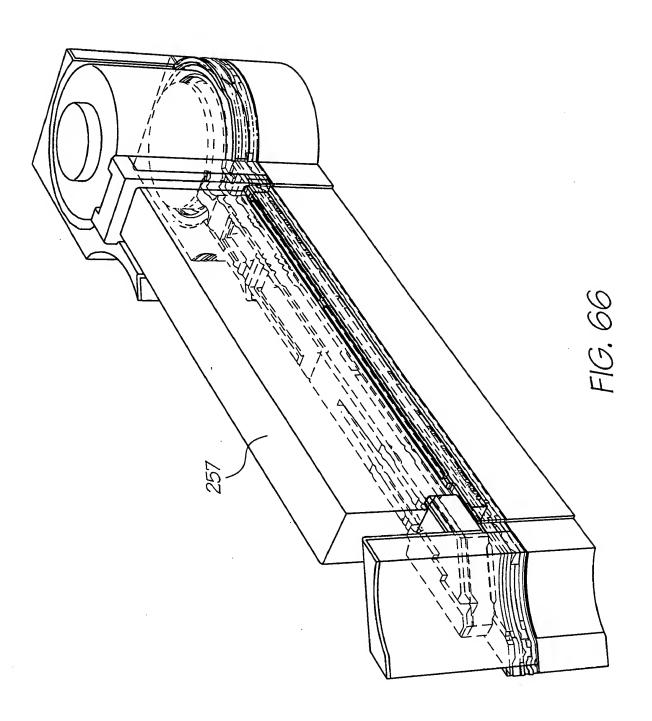


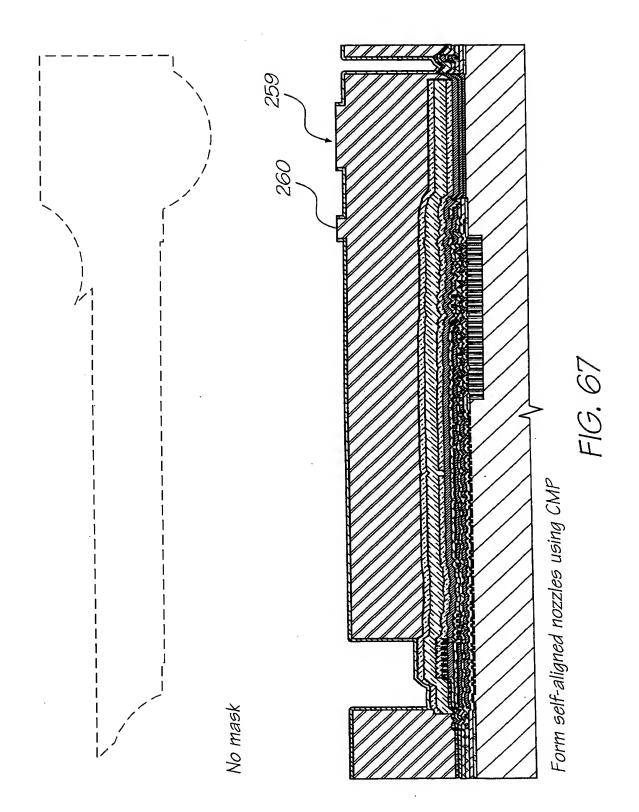


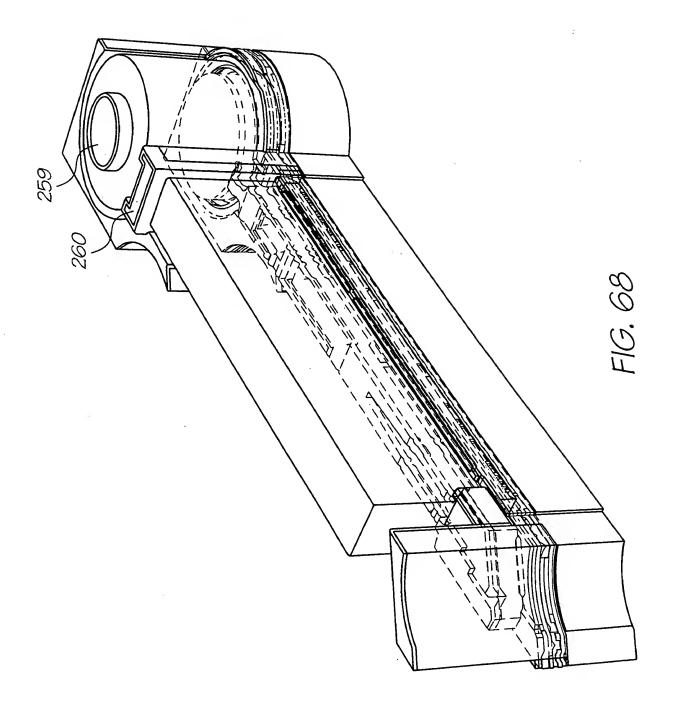


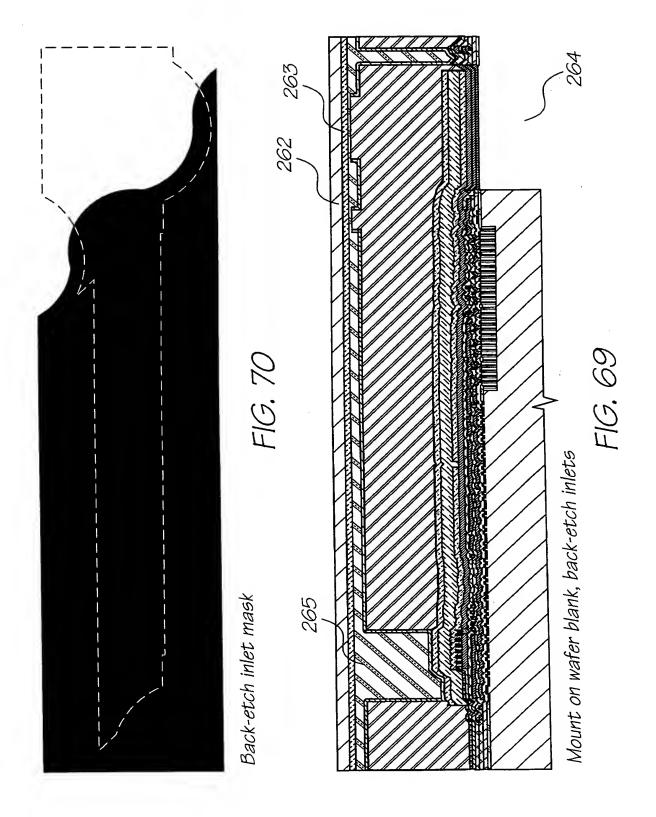


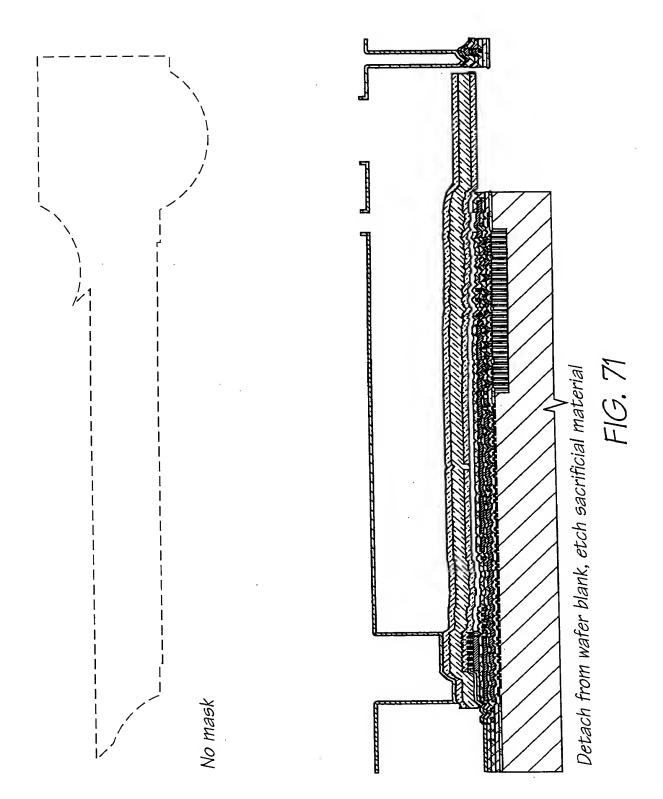


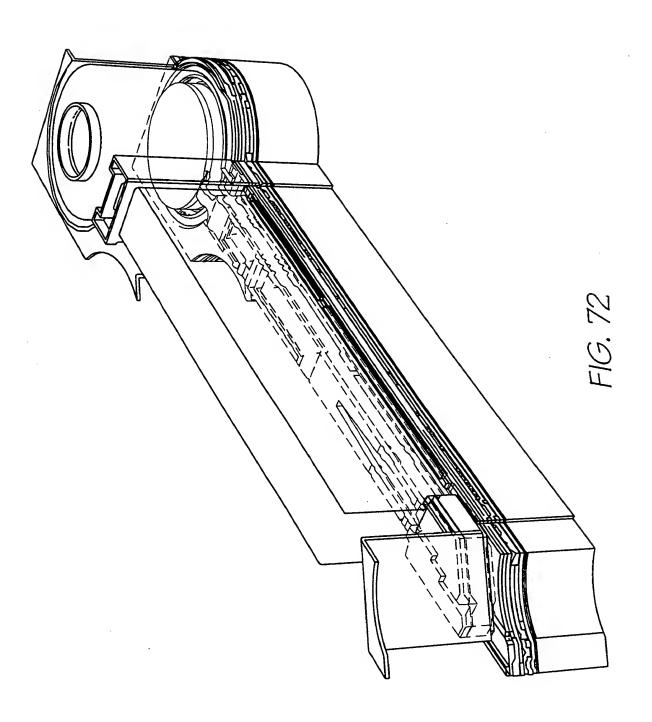


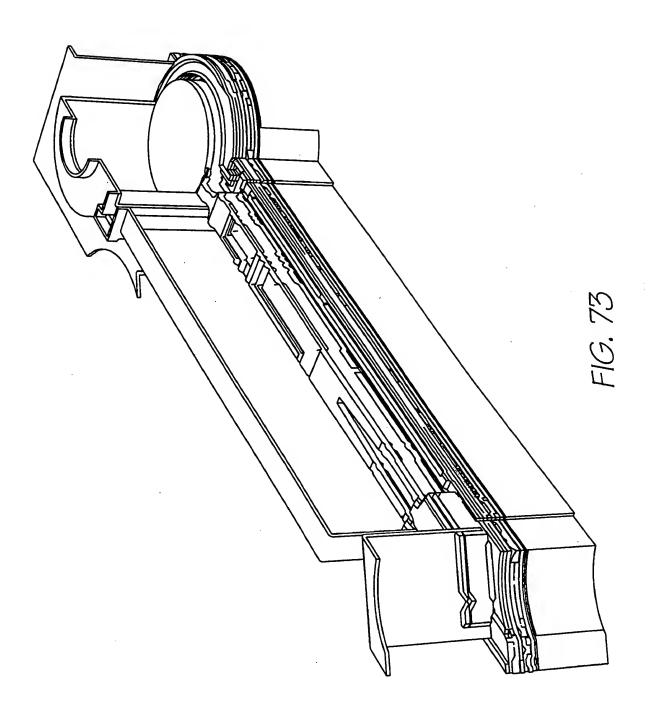


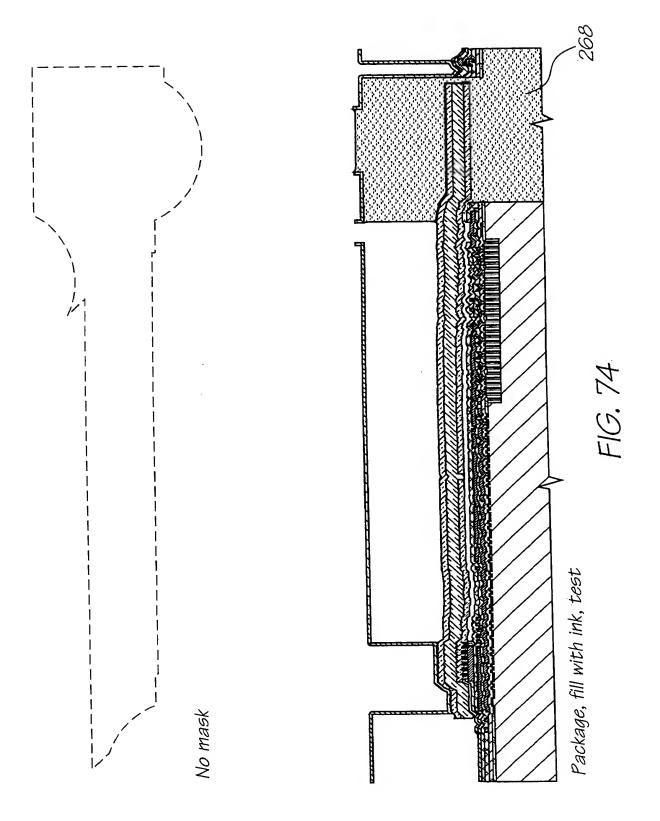


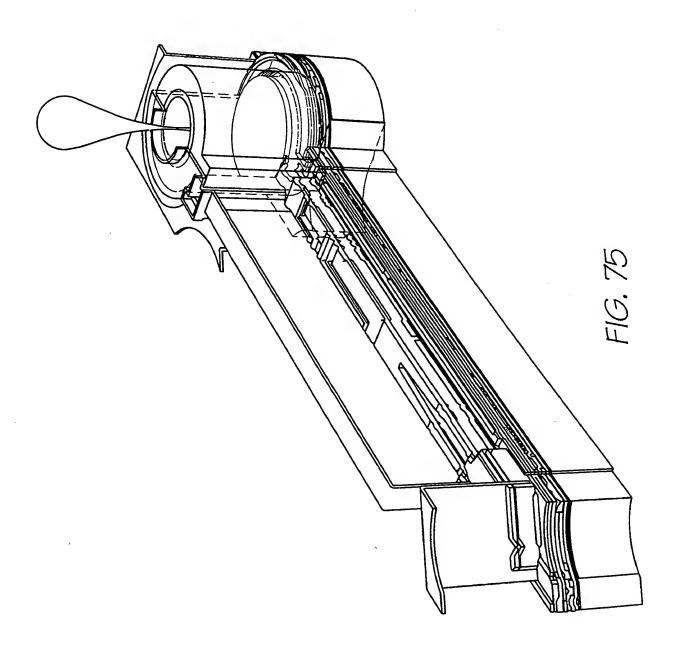


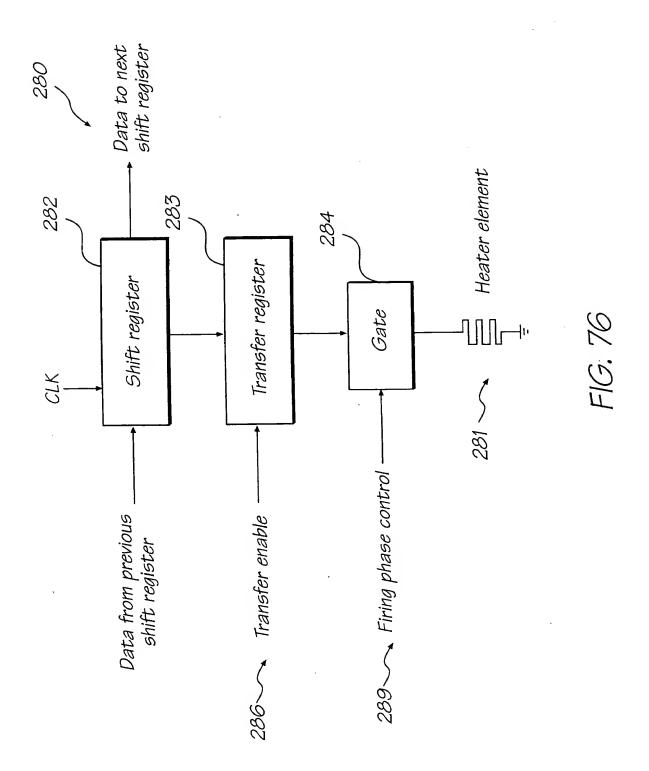


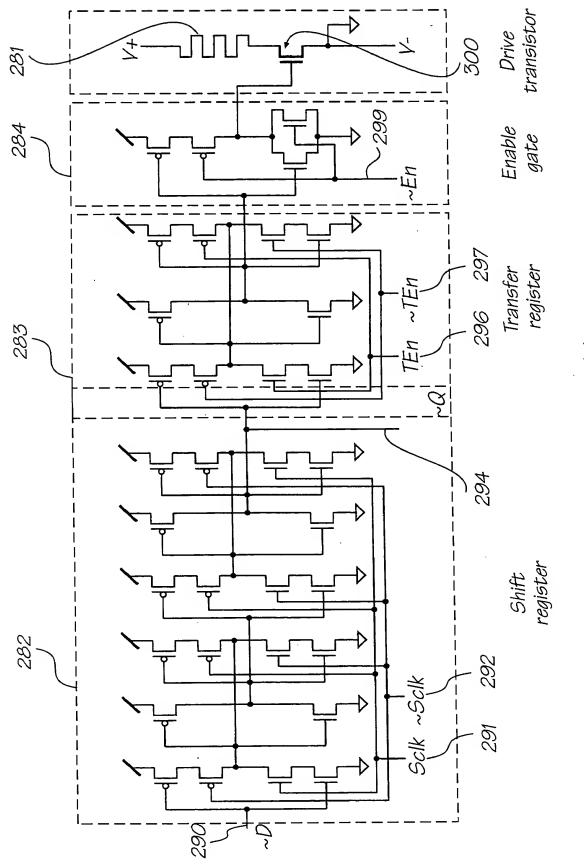












F1G. 77

Magenta Ink Yellow Ink 🚫 Cyan Ink Floor Wall Roof Rim Compensator TIN Sacrificial-nozzle M Actuator Glass Actuator TIN Sacrificial Contacts Metal 3 Via 2 Via 3 Metal 1 Metal 2 Silicon Poly Via 1 Active Active +*u* 

FIG. 78

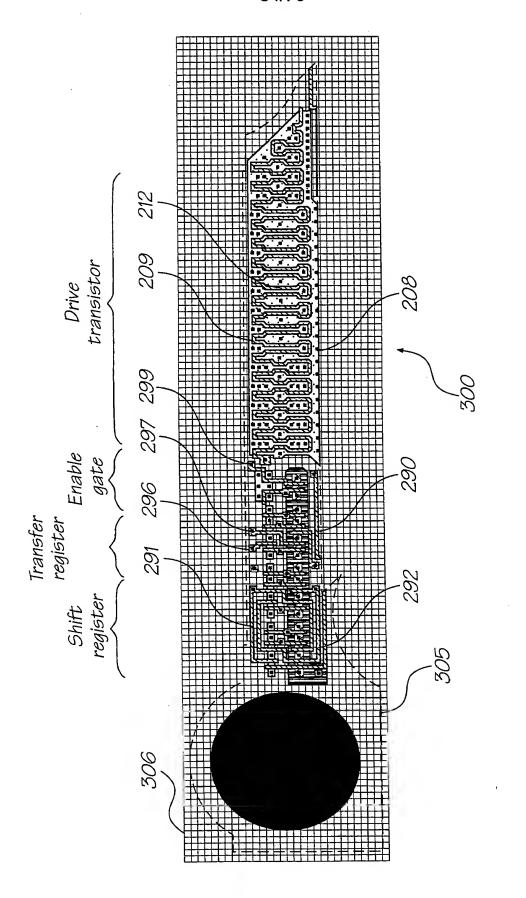
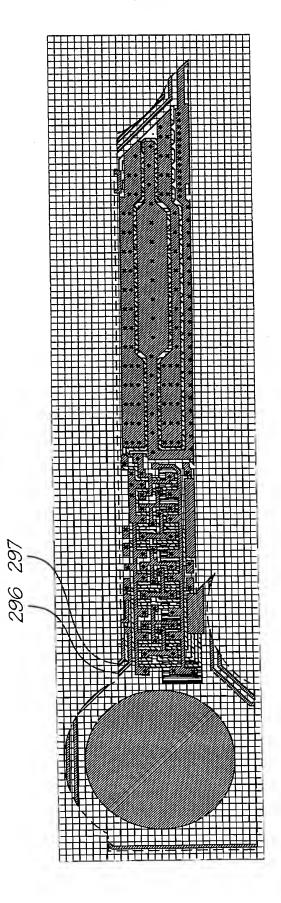


FIG. 79



F1G. 80

F1G. 81

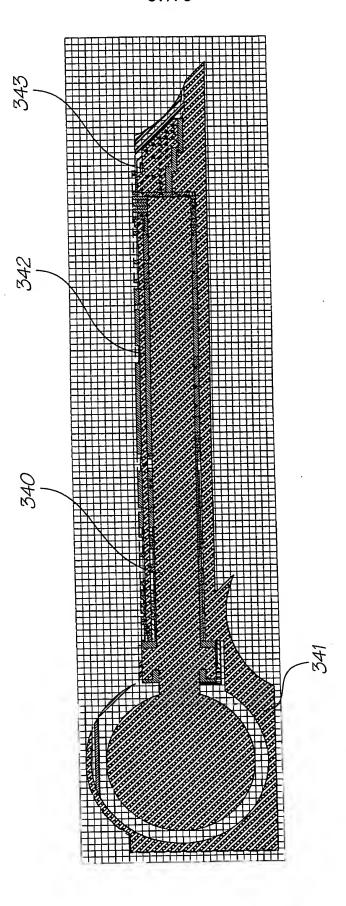


FIG. 82

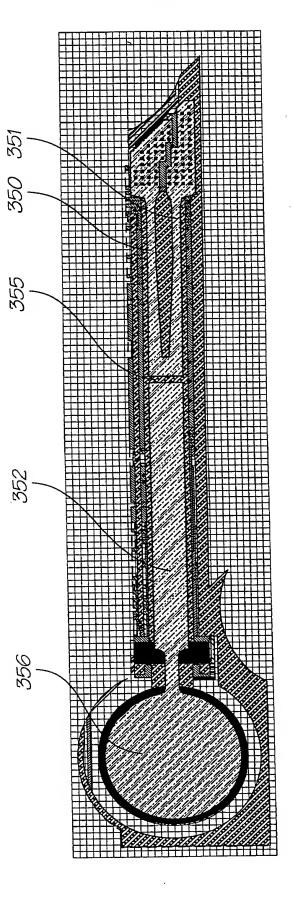
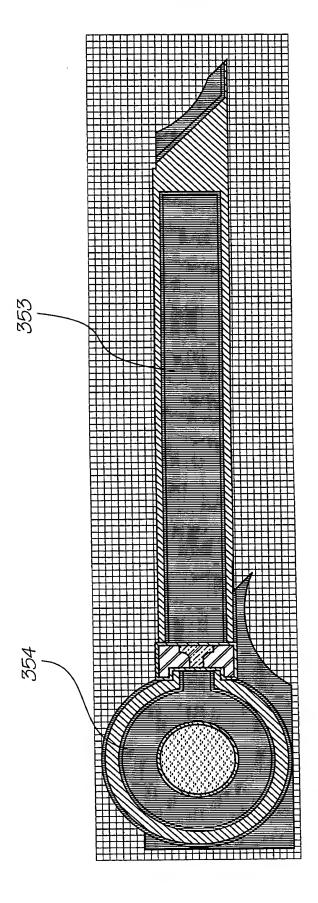
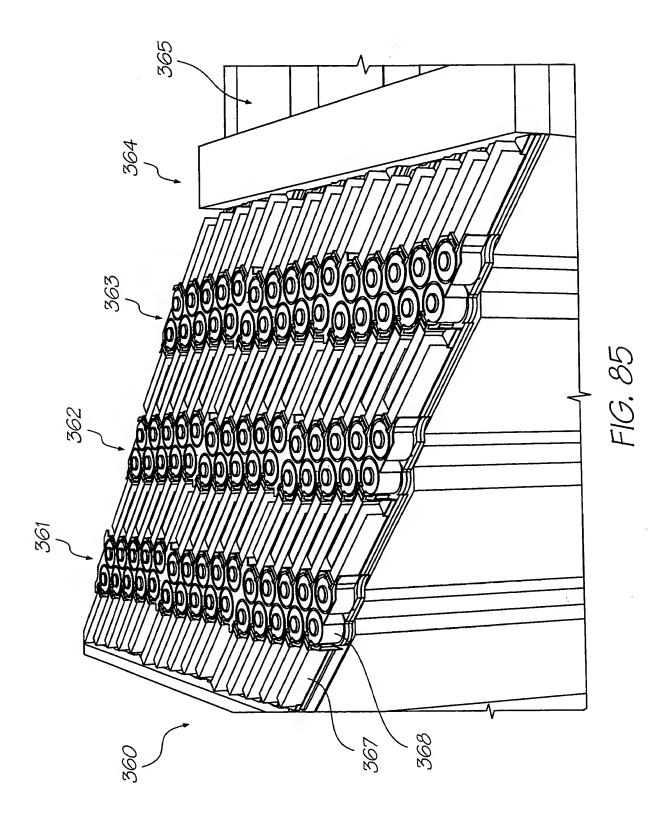


FIG. 83



F1G. 84



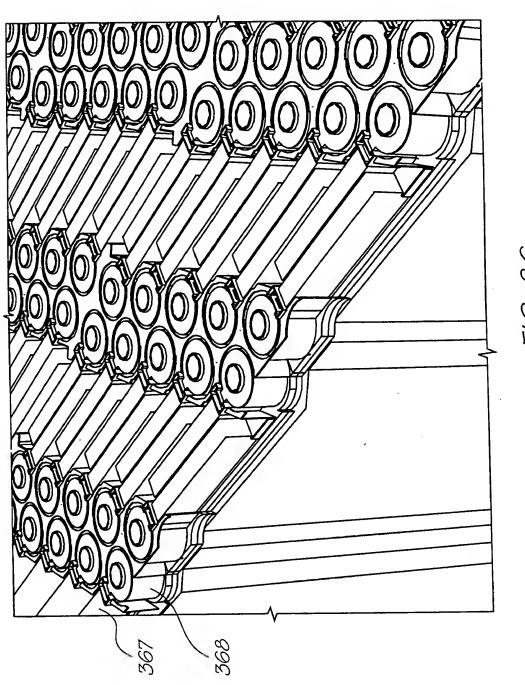


FIG. 20

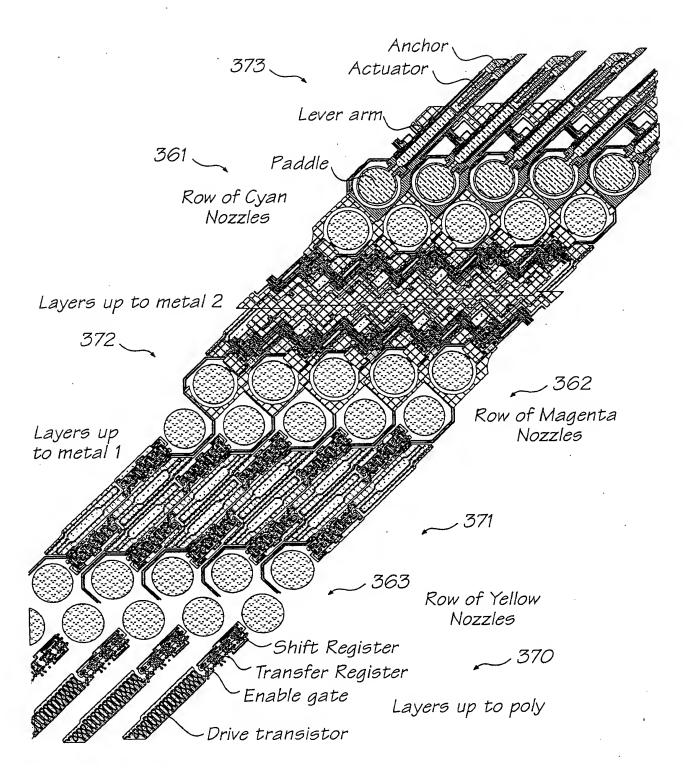
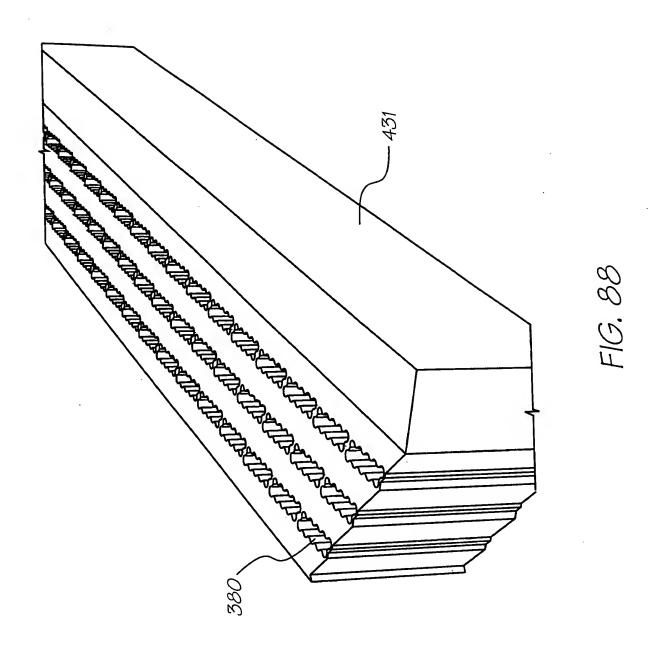
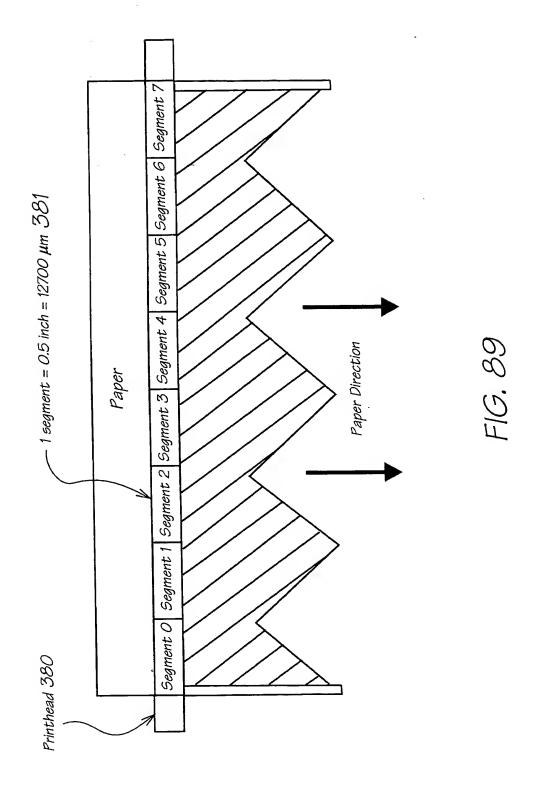
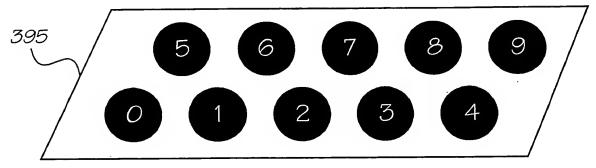


FIG. 87







A single pod, numbered by firing order

FIG. 90

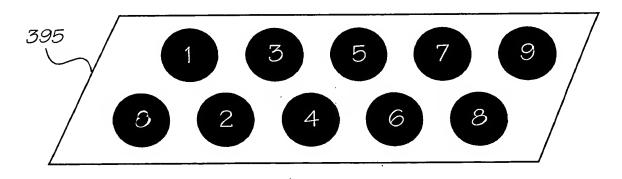
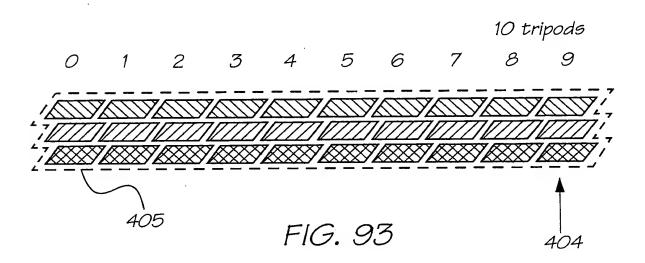


FIG. 91



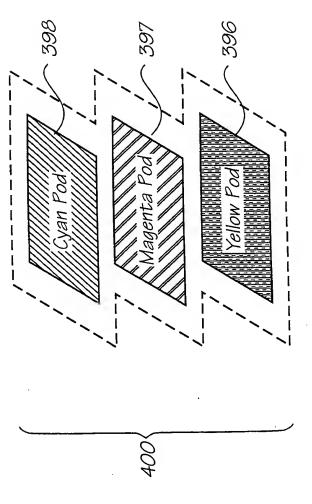


FIG. 92

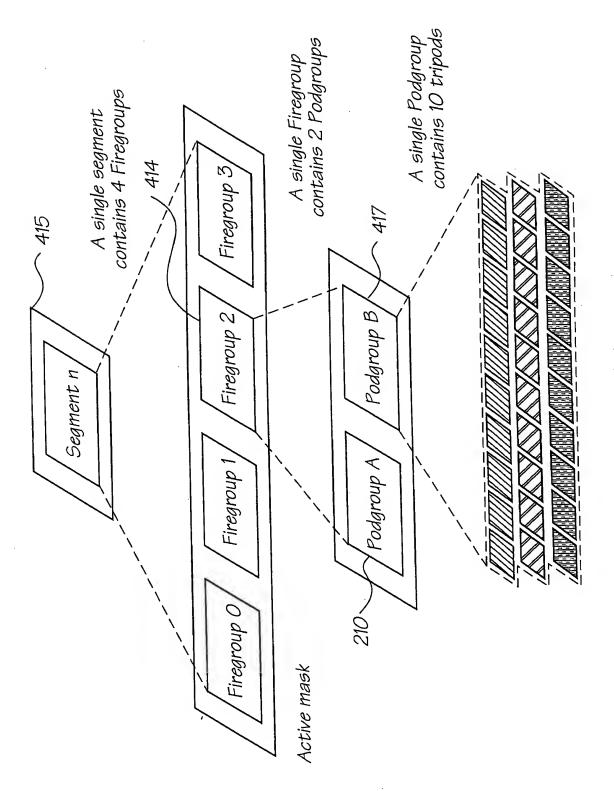


FIG. 94

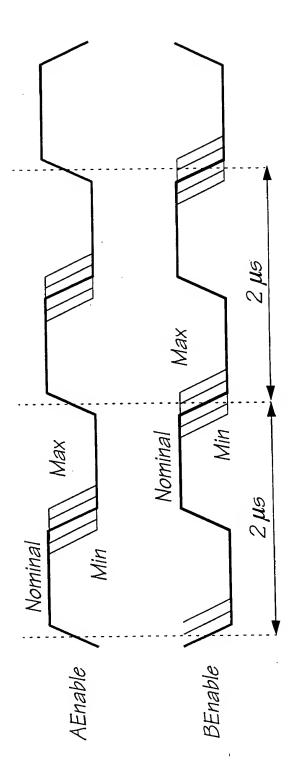
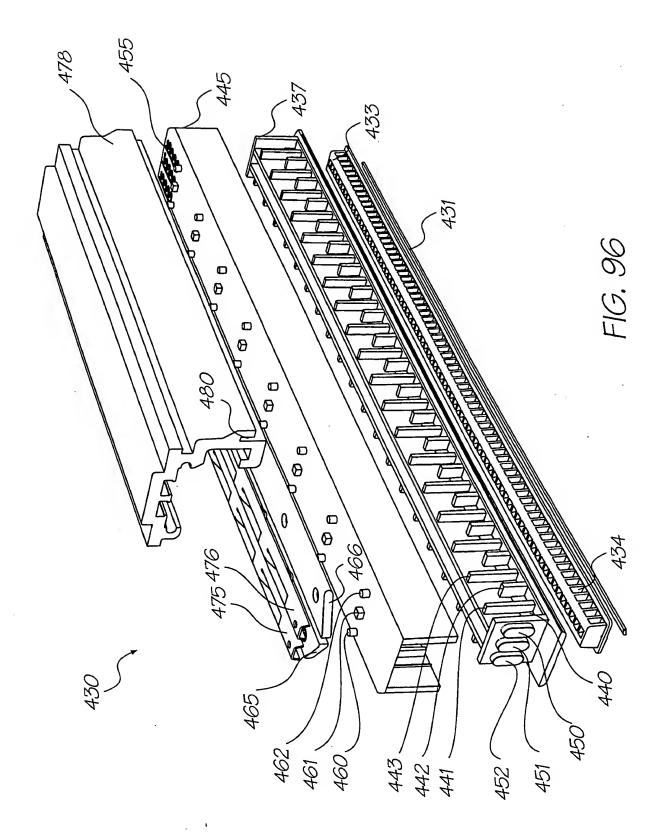
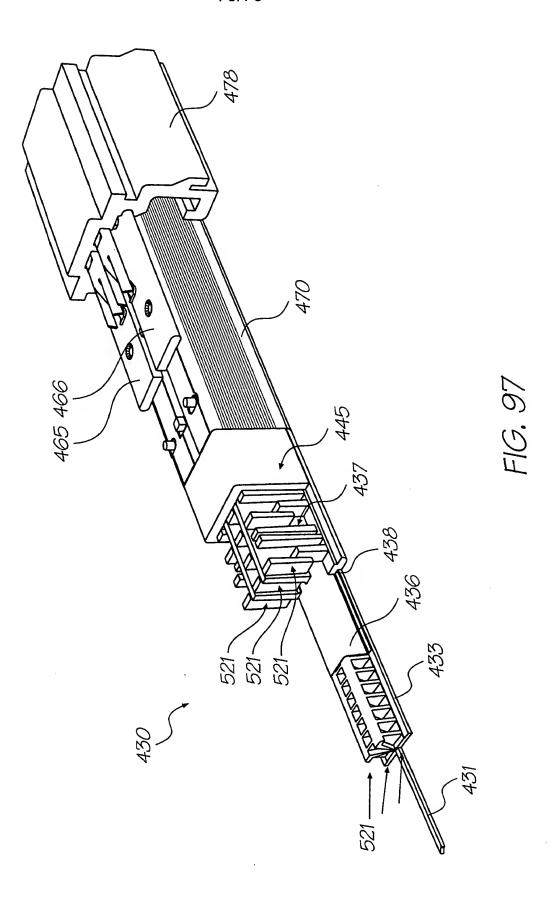
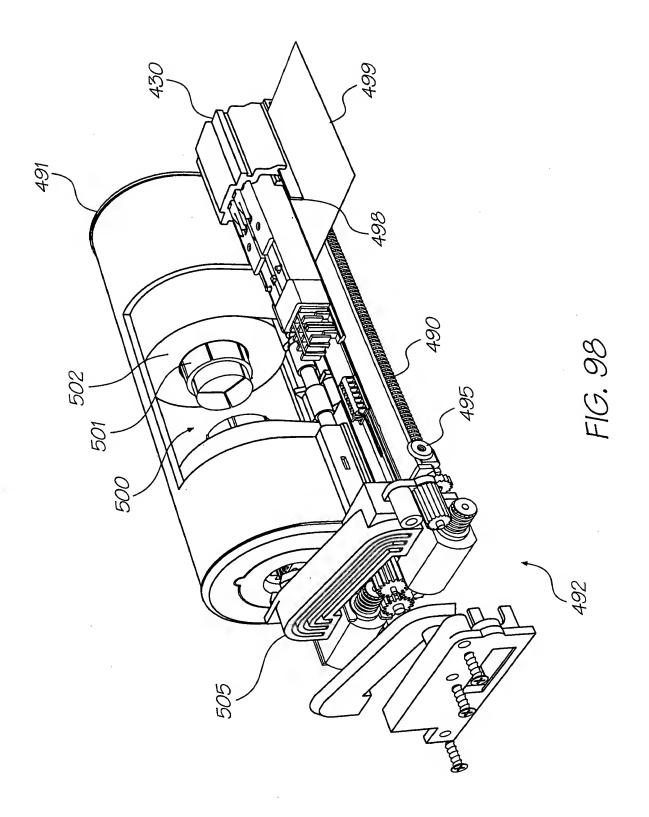
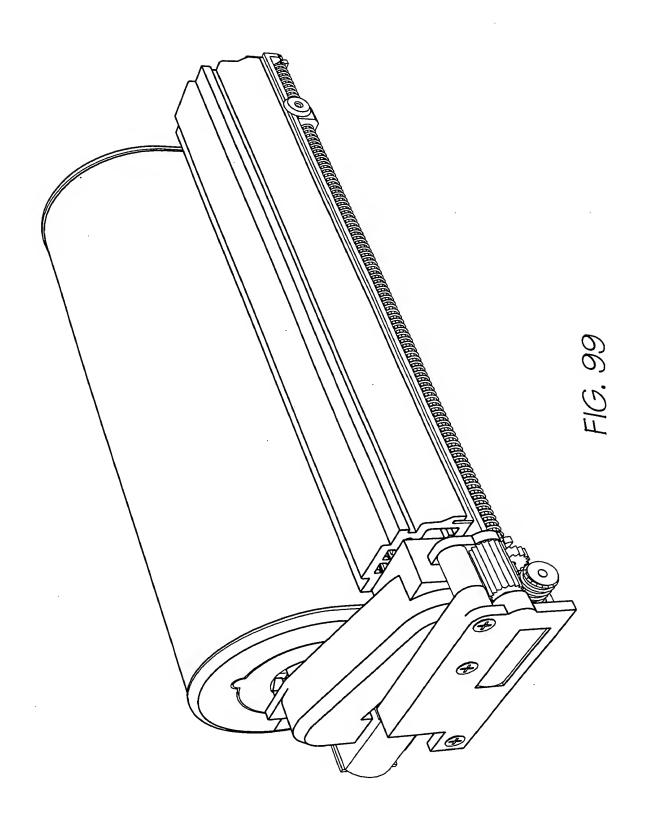


FIG. 95









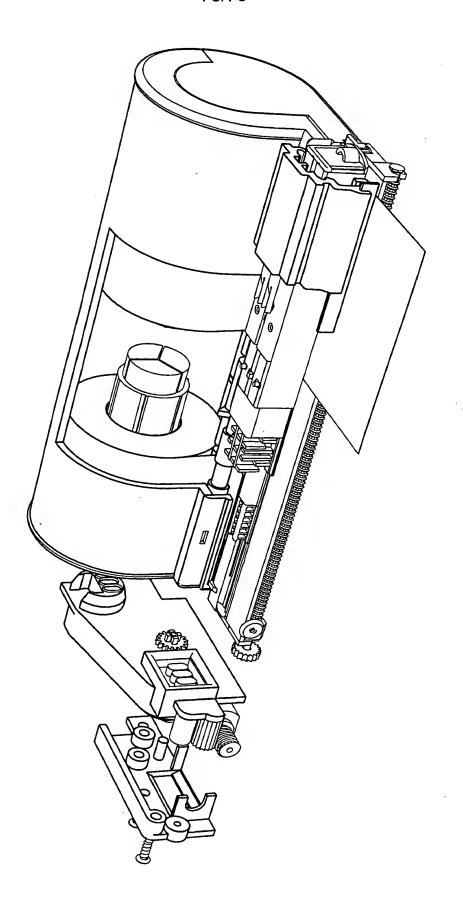
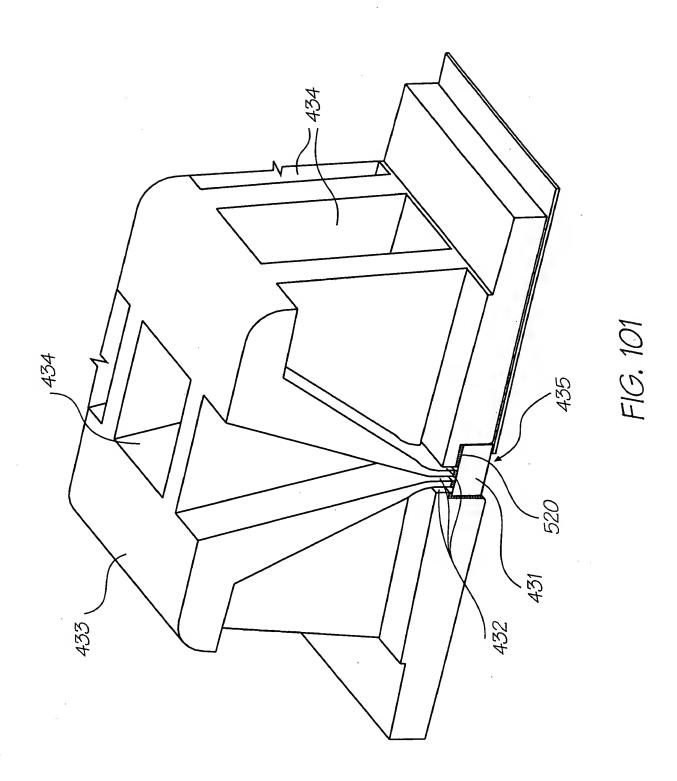


FIG. 100



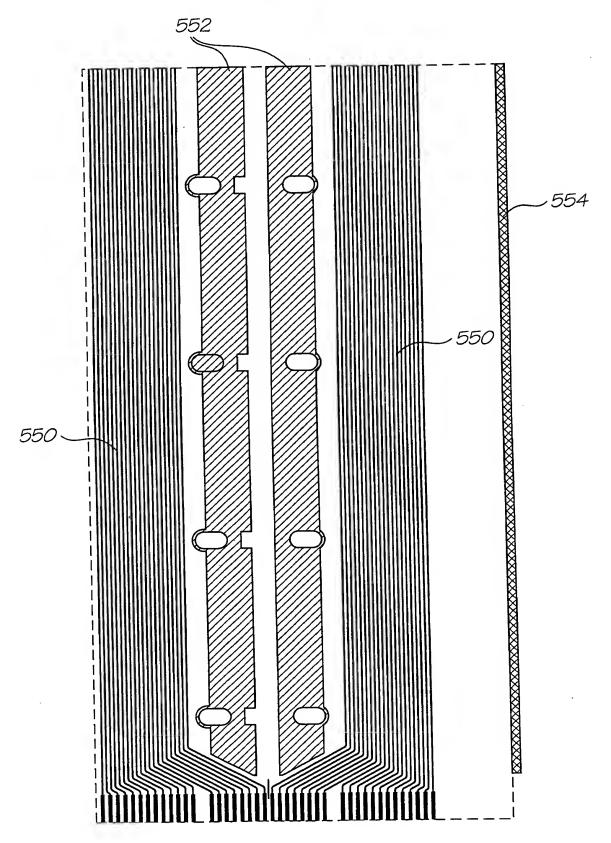


FIG. 102

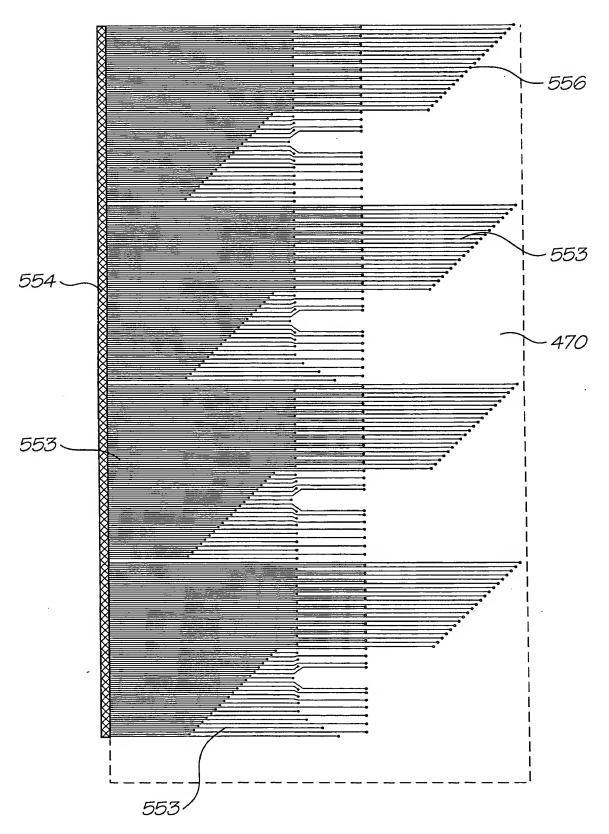


FIG. 103